

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims, including those in the First Preliminary Amendment, in the application:

Listing of Claims:

Claim 1 (currently amended): A panel radiator, comprising:
an oblong radiation panel body; and at the lower part thereof;
an oblong steam generation unit that has a length shorter than a length of said
radiation panel body and that is located on a lower part of said
radiation panel body, said steam generation unit having a combustion
unit and a heat exchange unit, said combustion unit adapted to directly
heat a working fluid; wherein the radiation panel body and steam
generation unit are
left and right steam introduction pipes on an upper end of said steam
generation unit respectively coupled with left and right steam
introduction pipes at positions near the a lower end portions in the
length direction thereof of left and right steam introduction headers of
said radiation panel body, and
a heat pipe is constituted by depressurizing the steam generation unit and panel
body upon depressurization.

Claims 2-8 (canceled).

Claim 9 (new): A panel radiator according to claim 1, wherein one of said left and right steam introduction headers opens into a lower end of said radiation panel body, and the other opens into an upper end of said radiation panel body.

Claim 10 (new): A panel radiator according to claim 9, wherein said radiation panel body includes a plurality of tubular panel plates in communication at both ends.

Claim 11 (new): A panel radiator according to claim 10, wherein said radiation panel body includes a pair of front and back panel plates.

Claim 12 (new): A panel radiator according to claim 11, wherein a radiation fin is provided between said pair of front and back panel plates.

Claim 13 (new): A panel radiator according to claim 12, wherein a radiation fin is provided on the front and back of said panel plates.

Claim 14 (new): A panel radiator according to claim 13, wherein said steam generation unit is rectangular and said combustion unit is provided at one end of the rectangular steam generation unit to permit a pressure difference to be formed in said steam generation unit based on a thermal gradient.

Claim 15 (new): A panel radiator according to claim 1, wherein said radiation panel body includes a plurality of tubular panel plates in communication at both ends.

Claim 16 (new): A panel radiator according to claim 15, wherein a radiation fin is provided on the front and back of said panel plates.

Claim 17 (new): A panel radiator according to claim 15, wherein said radiation panel body includes a pair of front and back panel plates.

Claim 18 (new): A panel radiator according to claim 17, wherein a radiation fin is provided on the front and back of said panel plates.

Claim 19 (new): A panel radiator according to claim 18, wherein said steam generation unit is rectangular and said combustion unit is provided at one end of the rectangular steam generation unit to permit a pressure difference to be formed in said steam generation unit based on a thermal gradient.

Claim 20 (new): A panel radiator according to claim 1, wherein said radiation panel body includes a pair of front and back panel plates.

Claim 21 (new): A panel radiator according to claim 20, wherein a radiation fin is provided between said pair of front and back panel plates.

Claim 22 (new): A panel radiator according to claim 21, wherein said steam generation unit is rectangular and said combustion unit is provided at one end of the rectangular steam generation unit to permit a pressure difference to be formed in said steam generation unit based on a thermal gradient.

Claim 23 (new): A panel radiator according to claim 1, wherein said steam generation unit is rectangular and said combustion unit is provided at one end of the rectangular steam generation unit to permit a pressure difference to be formed in said steam generation unit based on a thermal gradient.